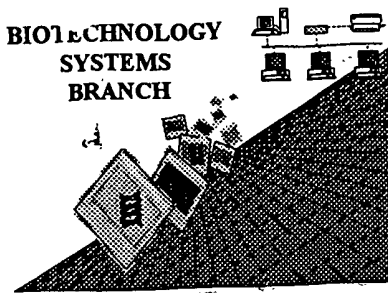


RAW SEQUENCE LISTING ERROR REPORT

BIO TECHNOLOGY
SYSTEMS
BRANCH



#022/308
10/22/01

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/155,327C
Source: 1633
Date Processed by STIC: 9/6/2001

RECEIVED
OCT 19 2001
TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

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1633

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/155,327C

DATE: 09/06/2001
 TIME: 17:17:41

Input Set : A:\11686.asc
 Output Set: N:\CRF3\09062001\I155327C.raw

3 <110> APPLICANT: AMRAD Operations Pty Ltd
 5 <120> TITLE OF INVENTION: A NOVEL MAMMALIAN GENE, bcl-2, BELONGS TO THE bcl-2
 6 FAMILY OF APOPTOSIS-CONTROLLING GENES
 8 <130> FILE REFERENCE: 2096584
 10 <140> CURRENT APPLICATION NUMBER: 09/155,327C
 C--> 11 <141> CURRENT FILING DATE: 1999-03-29
 13 <150> PRIOR APPLICATION NUMBER: PN8965
 14 <151> PRIOR FILING DATE: 1996-03-27
 16 <160> NUMBER OF SEQ ID NOS: 9
 18 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply
 Corrected Diskette Needed

ERRORED SEQUENCES

118 <210> SEQ ID NO: 6
 119 <211> LENGTH: 585 (583(p.2))
 120 <212> TYPE: DNA
 121 <213> ORGANISM: HUMAN
 123 <220> FEATURE:
 124 <221> NAME/KEY: CDS
 125 <222> LOCATION: (1)..(579)
 127 <400> SEQUENCE: 6
 128 atg gcg acc cca gcc tcg gcc cca gac aca cgg gct ctg gtg gca gac 48
 129 Met Ala Thr Pro Ala Ser Ala Pro Asp Thr Arg Ala Leu Val Ala Asp
 130 1 5 10 15
 132 ttt gta ggt tat aag ctg agg cag aag ggt tat gtc tgt gga gct gcc 96
 133 Phe Val Gly Tyr Lys Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly
 134 20 25 30
 136 ccc ggg gag ggc cca gca gct gac ccg ctg cac caa gcc atg cgg gca 144
 137 Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala
 138 35 40 45
 140 gct gga gat gag ttc gag acc cgc ttc cgg cgc acc ttc tct gat ctg 192
 141 Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu
 142 50 55 60
 144 gcg gct cag ctg cat gtg acc cca ggc tca gcc cag caa cgc ttc acc 240
 145 Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr
 146 65 70 75
 148 cag gtc tcc gac gaa ctt ttt caa ggg ggc ccc aac tgg ggc cgc ctt 288
 149 Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu
 150 85 90 95
 152 gta gcc ttc ttt gtc ttt ggg gct gca ctg tgt gct gag agt gtc aac 336
 153 Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn
 154 100 105 110
 156 aag gag atg gaa cca ctg gtg gga caa gtg cag gag tgg atg gtg gcc 384
 157 Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Glu Trp Met Val Ala
 158 115 120 125
 160 tac ctg gag acg cgg ctg gct gac tgg atc cac agc agt ggg ggc tgg 432

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/155,327C

DATE: 09/06/2001

TIME: 17:17:41

Input Set : A:\11686.asc

Output Set: N:\CRF3\09062001\I155327C.raw

```

161 Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp
162      130      135      140
164 gcg gag ttc aca gct cta tac ggg gac ggg gcc ctg gag gag gcg cgg 480
165 Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg
166 145      150      155      160
168 cgt ctg cgg gag ggg aac tgg gca tca gtg agg aca gtg ctg acg ggg 528
169 Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly
170      165      170      175
172 gcc gtg gca ctg ggg gcc ctg gta act gta ggg gcc ttt ttt gct agc 576
173 Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser
174      180      185      190
176 aag tgaa
E--> 177 Lys

```

583

FMI Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/155,327C

DATE: 09/06/2001

TIME: 17:17:42

Input Set : A:\11686.asc

Output Set: N:\CRF3\09062001\I155327C.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:177 M:252 E: No. of Seq. differs, <211>LENGTH:Input:585 Found:583 SEQ:6